



## Product Bulletin

Better Chemistry. **Better Business.**

### Lusterclean Zip-Off

**Product Code: 2052055**  
**Revised Date: 06/16/2017**

### Lusterclean Zip-Off

**Lusterclean Zip-Off** is a unique buffing compound remover specially formulated for copper, brass, steel and stainless steel substrates.

**Lusterclean Zip-Off** is also an excellent liquid burnishing compound specially formulated for both conventional barrel and vibratory finishing. **Lusterclean Zip-Off** offers outstanding performance when used for “part on part” tumbling of producing bright lustrous finishes. **Lusterclean Zip-Off** excels at removing red oxides from copper alloys.

### **BENEFITS**

- \* Excellent Buffing Compound Remover
- \* Removes tarnish and oxide films from the work, especially copper and alloys.
- \* Concentrated material - low use concentrations
- \* May be used in all types of equipment, tanks, conventional barrels or vibratory types.
- \* May be used with all types of media.
- \* Provides excellent cushioning in burnishing processes.
- \* Leaves a light invisible anti tarnish / corrosion resistant film on the parts.

### **PROPERTIES OF LUSTERCLEAN Zip-Off**

Appearance:	Clear, light straw colored liquid.
pH:	11.0-11.5
Odor:	Characteristic
Specific gravity:	8.44 lbs. per gallon.

### **OPERATING CONDITIONS FOR LUSTERCLEAN Zip-Off**

Buffing Compound Remover – Concentrations for this application are 3 to 10% (volume), operating temperatures 140 – 180F (60-82C). **The use of ultrasonics is strongly recommended to facilitate buffing compound removal.**

Conventional barrels - 1/2 to 1 oz/gal concentrate. Vibratory systems - feed to maintain concentration at 1/4 to 1/2 oz/gal. Aspirator or proportioning devices may be used. Use at room temperature to 110 F. The higher ranges will produce faster results.



## Product Bulletin

Better Chemistry. **Better Business.**

### **Lusterclean Zip-Off**

**Product Code: 2052055**  
**Revised Date: 06/16/2017**

**Lusterclean Zip-Off** is not recommended for burnishing brass plated steel if burnishing times exceed 10 - 15 minutes as cut through to the underlying steel may occur.

### **CAUTION**

**Lusterclean 50** is mildly alkaline. Wear protective clothing, gloves and goggles when handling the product. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in case of injury.

### **WASTE DISPOSAL**

Used solutions and rinse waters should be discharge to a permitted disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities. Your Hubbard-Hall representative is available to help optimize your wastewater treatment process.

### **WARRANTY**

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.